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**ATTORNEY'S DOCKET NO.: 2004647-0011 (BU01-52)**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Collins, *et al.* ✓  
Serial No.: 10/506,734 ✓  
Filed: September 3, 2004  
For: SYSTEMS AND METHODS FOR REVERSE ENGINEERING MODELS OF BIOLOGICAL NETWORKS

Examiner:  
Art Unit:

MAIL STOP: MISSING PARTS  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RECEIVED**

23 JAN 2006

Legal Staff  
International Division

Sir:

**TRANSMITTAL OF RESPONSE TO THE NOTICE TO FILE MISSING PARTS**

In response to the Notice to File Missing Parts of Application mailed by the U.S. Patent and Trademark Office on March 28, 2005, enclosed herewith please find the following:

**Documents Enclosed:**

1. Response to Notice to File Missing Parts of Nonprovisional Application (1 page);
2. Copy of Notice to File Missing Parts of Nonprovisional Application (2 pages);
3. Transmittal of Response to the Notice to File Missing Parts (1 page);
4. Petition for Extension of Time (1 page);
5. Copy of Statement Under 37 C.F.R. § 1.47(a) (1 page);
6. Copy of Petition Under 37 C.F.R. § 1.47(a) (2 pages);
7. Copy of Exhibits A and B (4 pages);
8. Executed Declarations (12 pages);
9. Executed Appointment of Attorney (1 page);
10. Executed Written Assertion of Small Entity Status (1 page);
11. Executed Establishing Right of Assignee to Take Action (2 pages);
12. Copy of Executed Assignments (16 pages);
13. Check in the amount of \$1,080.00 for Extension of Time; and
14. Return Postcard

Additionally, please charge any further fees associated with this filing or apply any credits to our Deposit Account No. 03-1721.

Respectfully submitted,

Monica R. Gerber, M.D., Ph.D.

Reg. No. 46,724

Choate, Hall & Stewart LLP  
Two International Place  
Boston, MA 02110  
(617) 248-5000

Dated: Oct. 28, 2005  
4004738\_1.DOC

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313 on 10-28-05

Sandra Saccoccia

ATTORNEY'S DOCKET NO.: 2004647-0011 (BU01-52)

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Applicant: Collins, *et al.* Examiner:  
Serial No.: 10/506,734 Art Unit:  
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For: SYSTEMS AND METHODS FOR REVERSE ENGINEERING MODELS OF  
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P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

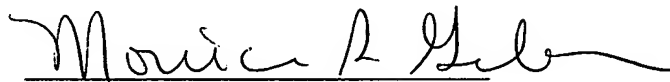
**RESPONSE TO NOTICE TO FILE MISSING PARTS OF  
NONPROVISIONAL APPLICATION**

In response to the Notice to File Missing Parts of Nonprovisional Application mailed on March 28, 2005, enclosed herewith are Declarations executed by the inventors.

A five (5) month extension of time, from May 28, 2005, to and including October 28, 2005, is requested to respond to the Notice to File Missing Parts, mailed March 28, 2005, in the above-referenced application. The appropriate fee of \$1,080.00 is included in the enclosed check.

Please charge any additional fees or credit any overpayments that may be required to our Deposit Account No. 03-1721.

Respectfully submitted,



Monica R. Gerber, M.D., Ph.D.  
Reg. No. 46,724

Choate, Hall & Stewart LLP  
Two International Place  
Boston, MA 02110  
(617) 248-5000

Dated: Oct. 28, 2005

4004752\_1.DOC

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Sandra Saccoccia

SP/MRG/NH



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/506,734	James J Collins	2004647-0011 Celli...

Monica R. Gerber  
 Choate Hall & Stewart  
 Exchange Place  
 53 State Street  
 Boston, MA 02109-2804

*Response to Notification  
 of Missing Requirements*

*DUE: 5-28-05  
 FINAL: 10-28-05*

INTERNATIONAL APPLICATION NO.

PCT/US03/06491

I.A. FILING DATE

03/05/2003

PRIORITY DATE

03/06/2002

CONFIRMATION NO. 7041

371 FORMALITIES LETTER



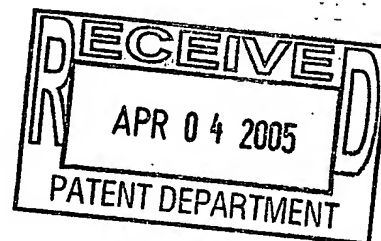
\*OC000000015245996\*

Date Mailed: 03/28/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 09/03/2004
- Copy of the International Search Report filed on 09/03/2004
- Preliminary Amendments filed on 09/03/2004
- Request for Immediate Examination filed on 09/03/2004
- U.S. Basic National Fees filed on 09/03/2004
- Priority Documents filed on 09/03/2004



The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

KAREN M WILLIAMS

Telephone: (703) 308-9140 EXT 213

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/506,734	PCT/US03/06491	2004647-0011

FORM PCT/DO/EO/905 (371 Formalities Notice)

Attorney Docket No.: 2004647-0011

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**


Applicant: Collins, et al. Examiner:  
Serial No.: 10/506,734 Art Unit:  
Filing Date: September 3, 2004  
Title: SYSTEMS AND METHODS FOR REVERSE ENGINEERING  
MODELS OF BIOLOGICAL NETWORKS

Mail Stop Petitions  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Mail Stop: Petitions, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on September 27, 2005.

  
Sandra Saccoccia


**STATEMENT UNDER 37 C.F.R. § 1.47(a)**

Petitioner hereby declares the following:

The last known mailing address of non-signing joint-inventor Jesper Tegner is:

Karlavagen 90, S-11522,  
Stockholm, Sweden

Respectfully submitted,

  
Monica R. Gerber, M.D., Ph.D.  
Registration No.: 46,724

Patent Group  
Choate, Hall & Stewart LLP  
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Boston, MA 02110  
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Dated: October 28 2005